The Importance of Cloud Accounting Informatization and Software to Small and Medium-Sized Enterprises

Juan Yan(✉)

Wuhan Business University, Wuhan 430056, Hubei, China
kksd0369@163.com

Abstract. This article is in the high speed development of our country under the background of the era of big data, comb to cloud the theoretical basis of the status quo of the content of the domestic accounting, the accounting development in different periods of morphological analysis under the cloud accounting software program, the advantages and disadvantages, looking for a cloud software define purpose, the concept of cloud accounting software to find the existing cloud accounting application in small and medium-sized enterprise use problem, What kind of feedback information are the government, platform and users in the future development of software in order to really give play to the advantages of cloud software, bring convenience to professional accounting personnel, reduce costs to enterprises, and bring greater economic benefits.

Keywords: Software provider · Small and medium-sized enterprises · Cloud accounting application software

1 Background Status of Cloud Accounting Software

With the progress of era and the high-speed development of science and technology, today we talk about the data, data is no longer the traditional practices, but complex category, content, large, fast data changes, this expression with the coming of the data period, in the union of modernization and connection, perception and intersection, spread across the words from the original data streams converge into the vast rivers, slowly Pouring into an endless ocean of data [1].

Under the age of big data, the traditional way of accounting is becoming more and more complicated, such as the need to support more users, need more computing ability, needs to be more stable and safe handling, need more fast processor and so on, in order to support the growing demand of the accounting department, enterprises have to money to buy the external hardware equipment and personnel service measures, To improve their work efficiency, shorten the working time. But at the time of purchase capital and services, also need to form a complete operational team, to support the normal operation of the equipment or software, including hardware maintenance, including installation, configuration, testing, operation and guarantee the system security and so on, plus buy

the cost of service, this has led the task efficiency and the progress of work at the same time, It also brings more costs and expenses to the enterprise, which can not adapt to each other with the enterprise's earlier expected goals. This is why in many outstanding large enterprises, even if the internal employees use a long working time, it is difficult to meet the mutual needs of external customers. For small and medium-sized enterprises or individual entrepreneurs, this way of development is more difficult to bear [2].

Thus, the emergence of cloud computing accounting on autopilot, accounting of cloud computing is known as the "cloud" accounting only to the corresponding lower fees, you can buy the suitable accounting application such as ufida, kingdee, etc., using the Internet cloud disk storage and formula of the accounting in the accounting information system, can complete daily accounting work in late registration and declaration of the program, Make the staff to the accounting task faster, stronger, more detailed implementation, but also make the enterprise internal audit work completed more thoroughly, to avoid the loopholes and blind areas of the audit [3]. At the same time, it can update and upgrade itself, which reduces the daily maintenance work, and also reduces the cost of enterprise operation [4]. The application software of cloud computing cloud accounting is also gradually improved and modified in the feedback of users, and the cloud accounting is gradually proficient. Traditional network test preparation from the initial distributed generalization, processing work distribution, unified calculation results, to the later increase report formula, improve enterprise information, increase tax declaration links to enrich the application software, to meet the actual needs of users. While there are more mature accounting procedures in place today, software providers are also evolving to keep up with industry trends [5] (Fig. 1).
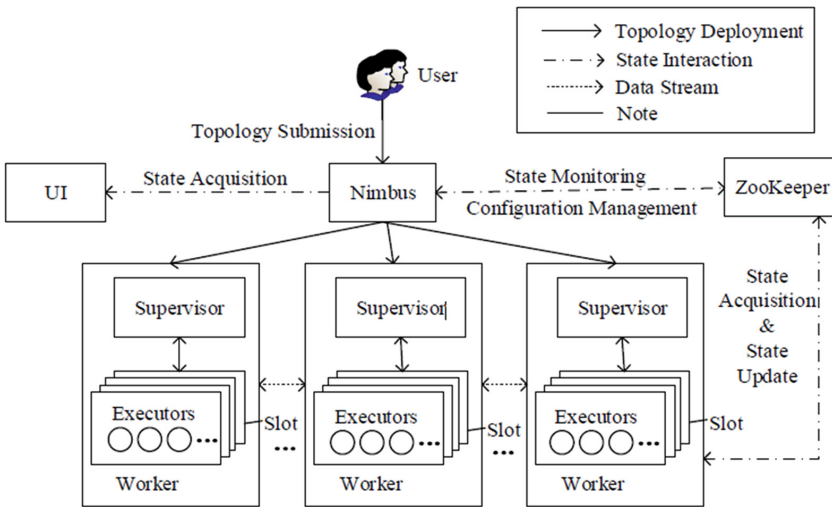

Fig. 1. Storm System Framework

2 Current Situation Note for Cloud Accounting Application Software

2.1 Cloud Accounting has Similarities with Traditional Accounting Software

Cloud control of accounting and accounting software with inherent processing procedures, both are application software in accounting work, and both are tools used to record the achievement of goals. No matter which tool is used, the ultimate purpose is the same: to handle the daily business transactions and keep the books. The current implementation of accounting procedures is always based on double entry bookkeeping as the criterion, linked data as the foundation, under the general ledger, receivable, payable, wages, bank cash, fixed assets, procurement materials, costs, salaries and benefits, profit and loss, fixed assets accounting and other modules. This is similar in cloud computing accounting and traditional accounting software [6]:

$$y\ i = e\ zi \left/ \sum_{j\,=\,1}^{k} e \right.$$

2.2 Some of the Biggest Differences Between Accounting Cloud Computing and Traditional Accounting Software

Traditional accounting software is installed in a single host or the local area network of the enterprise, and the personnel allowed to access the information can only be the use of mobile phone affiliated app or a small scope of relevant personnel of the enterprise. The difference of cloud accounting is that it starts from "online", and the corresponding matching service is "online accounting". Agree that users can click and use the program keys from any place over the Internet, directly in the software system, data maintenance and business modification, and can effectively interact with accountants and auditors in other parts of the enterprise. Compared with the traditional accounting software, it added the contents of bank reconciliation, data backup and tax declaration [7, 8]:

$$y = \max(0,\ x)$$

2.2.1 Bank Reconciliation Function

Cloud computing in traditional accounting software, bank reconciliation procedures become convenient to operate. At present, most of the current accounting cloud applications can obtain online data submitted by online banks in the network. Banks that do not offer online digital content also submit online versions of their statements that can be downloaded at any time. The electronic version of these statements will be downloaded into the accounting cloud program system to make bank reconciliation more convenient, operable and intelligent. In the cloud computing program, accountants can eliminate the need to type in the data on the statement and corresponding accounts, saving a lot of time and making the data more accurate [9]. The intelligent and automatic cloud computing application software will actively upload the transactions that are and have occurred, and automatically synthesize and classify the accounts that generate the amount automatically, thus reducing the time of manually selecting accounting subjects, tax categories and data entry.
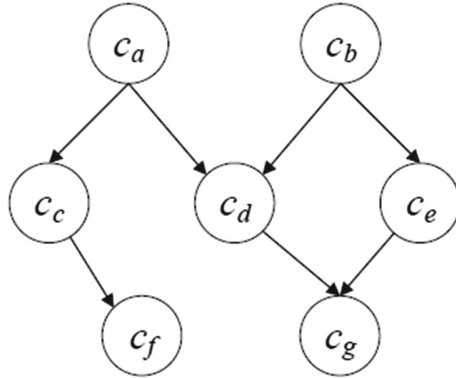
Fig. 2. Storm topological logic model

2.2.2 The Data Backup

In recent years, the data has increased dramatically by 50 to 60 percent per year. USB disk and other storage tools have always been auxiliary storage layer. However, due to the increasingly high requirements for data accessibility (even access to archived data), and the need to meet the law to disclose information to the society, these factors make enterprises add additional online storage layer on the Internet. It is very common that the main storage system has too much content and is stuck. Traditional accounting software must back up data at the end of every day, but accounting cloud system has no need to back up data, because all data on the system is stored and updated in real time. Today's annual accounting cloud software and earlier accounting programs store all the Audit evidence. Mainstream accounting cloud computing systems will retain a complete Audit Trial just like traditional accounting software. Therefore, the daily statement and future review can find out the content and time of the error in time, correct the data by using reverse entry, and hold the responsible personnel responsible for the error in serious cases (Fig. 2).

2.2.3 Scalability

The cloud computing program itself comes from the network processor, the cloud program has a good operation expansion, can easily complete the docking work with other commercial systems. Existing cloud computing accounting software such as Xero has long issued a cloud accounting application platform, which uses the capacity-utilization curve to allocate business resources, to avoid excessive or insufficient resource allocation to bring many negative impacts on the cost. A large number of data providers input their own information on the platform, such as quotation information, bidding information and so on. Providers can develop operable value-added services around the core systems of cloud computing that were difficult to implement with previous accounting procedures (Fig. 3).
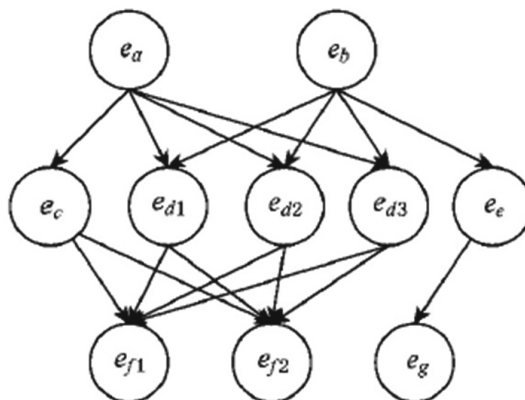
Fig. 3. Topology flow structure

3   Conclusion

This paper analyzes the significance of cloud accounting application software in the process of accounting informatization of small and medium-sized enterprises, such as the use of cloud accounting to improve the management of enterprise information; Use cloud accounting to improve the management ability of enterprise cost; The use of cloud accounting to further strengthen the enterprise information environment construction.

4   Accounting Informatization of Small and Medium-Sized Enterprises

In the early years, different scholars had different views on the concept of accounting informatization. Professor Xie Shifen believes that accounting informatization is to make use of modern information technology to reconstruct the traditional accounting mode, and through deepening development and extensive use of accounting information resources on the reconstructed modern accounting mode, to establish a highly integrated and open modern accounting information system with technology and accounting. Scholar He Risheng identified accounting informatization as: using modern information technology, reforming the traditional accounting model, and on the basis of reforming modern accounting, establishing highly integrated information technology and accounting discipline, fully open modern accounting information system, this accounting information system will make full use of modern information technology through the network system, so that the business management is highly automated. Information is highly shared, enabling active and real-time reporting of accounting information. Generally speaking, accounting informatization is the reconstruction of traditional accounting by information technology and the sharing of accounting information by network.

At present, the informationization degree of SMEs is comparatively low. Although there are strong promotion and support for smes and countries implementing accounting informatization, there are many problems hindering the development of accounting
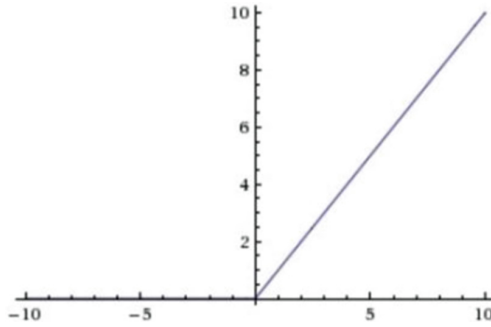
Fig. 4. Relu function model diagram

informatization. First of all, the small scale of smes, financing difficulties, lack of capital and other reasons make enterprises hesitate to the initial investment cost of huge accounting system. Secondly, the management of enterprises lacks the understanding of accounting informatization and does not realize the importance of accounting informatization to improve the competitiveness and work efficiency of enterprises. They only pay attention to short-term returns and ignore the financial input. Finally, accounting information products need to be improved, our accounting information products than foreign development time is short, in the data security, system expansibility, information sharing needs to be improved (Fig. 4).

The cloud accounting system is simple and easy to operate. The mobile device can be connected to the network for any time, and the cloud accounting can be used in any place to achieve cross-regional cloud office. Cloud accounting does not limit the number of people who log in to achieve multi-end universal, multiple people at the same time bookkeeping, improve the efficiency of work. To reduce costs, cloud accountants do not need to buy any software or hardware, but only need to pay an annual on-demand rental fee to install the software on the device. When the financial software fails, contact the supplier, who will provide comprehensive technical support to maintain and update the system. The company does not need to pay professional workers to repair it. Enhance data sharing. Enhance the competitiveness of enterprises. Cloud accounting allows small and medium-sized enterprises to use a professional and efficient accounting system comparable to that of large enterprises with low cost. Small and medium-sized enterprises can invest the money saved from the initial cost into the actual business, expand the business scale, promote the development of industry, and improve the market competitiveness of enterprises.

References

1. Huang Hai. Research on the construction and application of risk oriented internal audit framework Southwest University of Finance and Economics, April 2019
2. Luo Qingsu, Interpretation of the Adjustment Items of Cash Flow from Operating Activities Prepared by Indirect Method, Accounting Newsletter, 2015, Issue 8.
3. Yuan Tongkai, Ma Wenting, Hu Songyuan. The Interweaving of Tradition and Modernity: A Study on the Corporate Culture Characteristics of New-type State-owned Enterprises [J].

Journal of Guangxi Teachers University (Philosophy and Social Sciences Edition), 2016(5): 104-109.

4. Song Jinyang, Wu Baohong. Research on financial risk identification and control of modern enterprises [1]. Market Modernization, 2019(7): 135-136.

5. Kong Wei-pan. Discussion on the Application of management Accounting in Enterprise financial risk Control J. Market Weekly Theory Edition, 2018(16): 43-43

6. Cui Xiaowei. Current Situation and Countermeasures of financial risk and risk of Small and medium-sized enterprises [J]. Heilongjiang Science. 2019(9): 106-107

7. Zhou Zhimin. Tries to discuss the problems and countermeasures of financial management of Chinese small and medium-sized enterprises [J]. Finance and Accounting Study, 2017(3): 35-35

8. Liu Shanshan. Enterprise financial risk and its Prevention. Cooperative Economy and Technology, 2017(1): 87-89.

9. Liu C Y. Causes of SMEs' financial risks and countermeasures [J]. Modern Enterprise, 2019(02): 28-29. (in Chinese with English abstract)